

I. Amendments to the Claims:

This listing of claims replaces without prejudice all prior versions and listings of claims in the application:

Listing of Claims:

1. (Previously Presented) A system for allocating a power budget between at least two different communication channels, one of which comprises a voice channel and the other one of which comprises a data channel, comprising:

at least two receiving-stations, which between them are configured to receive all of the at least two different communication channels; and,

a transmitting-station for transmitting each of the channels to at least one of the receiving-stations using a portion of the power budget, the portions being allocated by said transmitting-station such that the power budget is substantially consumed,

wherein said transmitting-station is configured such that the allocation of power to the voice channel for a subsequent time period is based on the actual power consumed by the voice channel for a known time period, and

wherein the known time period comprises a current time period and the subsequent time period immediately follows the current time period.

2. (Previously Presented) The system according to claim 1, wherein the transmitting-station comprises a base station and the receiving-stations respectively comprise subscriber stations.

3. (Previously Presented) The system according to claim 2, wherein one of the subscriber stations is configured to receive the one channel, and another of the subscriber stations is configured to receive the other one of the channels.

4. (Previously Presented) The system according to claim 2, wherein one of the subscriber stations is configured to receive the at least two communication channels.

5. (Previously Presented) The system according to claim 1, wherein the transmitting-station comprises a subscriber station, and wherein the receiving-station comprises a base station.

Claims 6-9 (Cancelled).

10. (Previously Presented) The system according to claim 1, wherein each of the time periods is from about one millisecond to about forty milliseconds.

11. (Previously Presented) The system according to claim 10, wherein each of the time periods is from about two milliseconds to about thirty milliseconds.

12. (Previously Presented) The system according to claim 10, wherein each of the time periods is from about five milliseconds to about twenty milliseconds.

13. (Previously Presented) The system according to claim 10, wherein each of the time periods is from about seven milliseconds to about fifteen milliseconds.

14. (Previously Presented) The system according to claim 10, wherein each of the time periods is about ten milliseconds.

15. (Previously Presented) The system according to claim 1, wherein said transmitting-station is configured such that a remaining portion of the power budget is allocated to a data channel for the subsequent time period based on the amount of power that is not allocated to the voice channel for that subsequent time period.

16. (Previously Presented) The system according to claim 1, wherein the remainder of the power budget that is not allocated to the voice channel is allocated by said transmitting-station to another of the communication channels.

Claims 17-18 (Cancelled).

19. (Previously Presented) A method of allocating a power budget between communication channels, at least one of which comprises a voice channel, comprising the steps of:

- (i) for an initial time period, allocating the power budget between the communication channels over a wireless link according to a predefined allocation;
- (ii) for a current time period, establishing the communication channels according to the allocation;
- (iii) for the current time period, determining actual power consumption of the at least one voice channel;
- (iv) for a future time period, allocating at least an equivalent amount of power as the actual power consumption determined at step (iii) to the at least voice channel;
- (v) for the future time period, allocating a remaining amount of power to a remainder of the channels, the remaining amount being an amount that was unallocated to the at least one voice channel; and,

(vi) repeating steps (iii) – (v) for the future time periods.

Claim 20 (Cancelled).

21. (Previously Presented) A subscriber station comprising:

a receiver for a signaling channel, a voice channel and a data channel;

a processor connected to the receiver and configured to adjust demodulation and forward error correction rates of packets received over the voice channel and the data channel during successive time periods, the adjusting based on instructions received over the signaling channel that correspond to power allocations made by a base station transmitting the channels.

Claim 22 (Cancelled).